

**WE CLAIM:**

1. A method of treatment of a host with a cellular proliferative disease, comprising contacting said host with a hexitol and an antiproliferative agent, each in an amount sufficient to modulate said cellular proliferative disease.

2. The method according to claim 1, wherein said hexitol comprises dianhydrogalactitol (Dianhydrodulcitol; Dulcitol diepoxide; DAD; DAG; 5,6-Diepoxydulcitol; 1,2:5,6-Dianhydrodulcitol; 1,2:5,6-Dianhydrogalactitol; 1,2:5,6-Diepoxydulcitol).

3. The method according to claim 1, wherein said hexitol comprises a dianhydrogalactitol analog.

4. The method according to claim 1 wherein said antiproliferative agent comprises an agent that interacts with nucleic acids.

5. The method according to claim 1 wherein said antiproliferative agent comprises an alkylating agent, an intercalating agent, a metal coordination complex, a pyrimidine nucleoside, a purine, an inhibitor of nucleic acid associated enzymes, or an inhibitor of nucleic acid associated proteins.

6. The method according to claim 1 wherein said antiproliferative comprises cisplatin.

7. A method according to claim 1 wherein said hexitol is administered before the administration of said antiproliferative agent.

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~~method according to claim 1 when said 1  
ation of said antiproliferative agent.~~

~~method according to claim 1 wherein said  
ation of said antiproliferative agent.~~

~~wherein the~~

composition comprising a hexitol  
the composition of claim 11 wherein  
of a dianhydrogalactitol and an a  
ment for the treatment of a cellula

11 where

13. Use of a dianhydrogalactitol and an antiproliferative agent in the formulation of a medicament for the treatment of a cellular proliferative disease.

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